Atlantic Sturgeon Critical Habitat River Lengths

Identification

CITATION
CITATION INFORMATION
ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office
PUBLICATION DATE 2017-11-15
TITLE Atlantic Sturgeon Critical Habitat River Lengths
PUBLICATION INFORMATION
PUBLICATION PLACE Gloucester, MA
PUBLISHER NOAA National Marine Fisheries Service (NMFS) - Greater Atlantic Regional Fisheries Office (GARFO)
ONLINE LINKAGE http://www.greateratlantic.fisheries.noaa.gov/gis
ONLINE LINKAGE http://www.greateratlantic.fisheries.noaa.gov/
ONLINE LINKAGE http://sero.nmfs.noaa.gov/maps_gis_data/

DESCRIPTION
ABSTRACT
This dataset depicts the river lengths along which Critical Habitat has been designated for Atlantic Sturgeon. Critical habitat includes all of the river along the specified segment, from the ordinary high water mark of one riverbank to the ordinary high water mark of the opposing riverbank of the mainstem of the river. For clarification of the critical habitat definition, please refer to the maps and narrative descriptions in the CFR. It is a product of the NOAA Fisheries Service’s Greater Atlantic Regional Fisheries Office (GARFO) and the Southeast Regional Office (SERO).

This shapefile includes boundaries for the following Regulated Areas:

- Critical Habitat for Carolina Distinct Population Segment of Atlantic Sturgeon: Roanoke River, Tar-Pamlico River, Neuse River, Cape Fear River, Pee Dee River, Black River, and Santee-Cooper Rivers;

Because GIS projection and topology functions can change or generalize coordinates, these GIS files are considered to be approximate representations and are NOT an OFFICIAL record for the exact Proposed Area boundaries. For information on the official legal definition refer to the Use Constraints metadata section.

PURPOSE
Beginning in 2010 and in response to mounting requests for digital depictions of NMFS Regulated Areas in Northeast and Mid-Atlantic Waters (Regulated Areas), the NMFS Greater Atlantic Regional Fisheries Office (GARFO) Geographic Information Systems (GIS) Committee launched a project to standardize the development, publication and regular updating of GIS files depicting Regulated Area boundaries. This dataset is a product of that initiative.
This dataset was created to depict the boundaries of NMFS Regulated Areas in Northeast, Mid-Atlantic, and South Atlantic Waters (Regulated Areas) only. For information on the proper use of the dataset refer to the Use Constraints metadata section.

**SUPPLEMENTAL INFORMATION**

Critical habitat includes all of the river along the specified segment, from the ordinary high water mark of one riverbank to the ordinary high water mark of the opposing riverbank of the mainstem river. For clarification of the critical habitat definition, please refer to the maps and narrative descriptions in the CFR.

**TIME PERIOD OF CONTENT**

**TIME PERIOD INFORMATION**

**SINGLE DATE/TIME**

**CALENDAR DATE** 2017-11-15

**CURRENTNESS REFERENCE**

**Publication date**

**STATUS**

**PROGRESS** Complete

**MAINTENANCE AND UPDATE FREQUENCY** As needed

**SPATIAL DOMAIN**

**BOUNDING COORDINATES**

**WEST BOUNDING COORDINATE** -85

**EAST BOUNDING COORDINATE** -67

**NORTH BOUNDING COORDINATE** 46

**SOUTH BOUNDING COORDINATE** 29

**KEYWORDS**

**THEME**

**THEME KEYWORD** *THESAURUS* ISO 19115 Topic Category

**THEME KEYWORD** boundaries

**THEME KEYWORD** environment

**THEME KEYWORD** location

**THEME KEYWORD** oceans

**THEME KEYWORD** planningCadastre

**THEME**

**THEME KEYWORD** *THESAURUS* EPA GIS Keyword Thesaurus

**THEME KEYWORD** Biology

**THEME KEYWORD** Compliance

**THEME KEYWORD** Conservation

**THEME KEYWORD** Ecology

**THEME KEYWORD** Ecosystem

**THEME KEYWORD** Environment

**THEME KEYWORD** Human

**THEME KEYWORD** Management

**THEME KEYWORD** Marine

**THEME KEYWORD** Monitoring

**THEME KEYWORD** Natural Resources

**THEME KEYWORD** Permits

**THEME KEYWORD** Regulatory

**THEME KEYWORD** Water

**THEME**

**THEME KEYWORD** *THESAURUS* GARFO Keywords

**THEME KEYWORD** Atlantic

**THEME KEYWORD** Atlantic Sturgeon

**THEME KEYWORD** Critical Habitat

**THEME KEYWORD** Distinct Population Segment
THEME KEYWORD DPS
THEME KEYWORD Endangered Species Act
THEME KEYWORD ESA
THEME KEYWORD GARFO
THEME KEYWORD Greater Atlantic Regional Fisheries Office
THEME KEYWORD National Marine Fisheries Service
THEME KEYWORD National Oceanic and Atmospheric Administration
THEME KEYWORD NMFS
THEME KEYWORD NOAA
THEME KEYWORD Section 7
THEME KEYWORD SERO
THEME KEYWORD Southeast Regional Office

PLACE
PLACE KEYWORD THESAURUS None
PLACE KEYWORD Androscoggin River
PLACE KEYWORD Atlantic Ocean
PLACE KEYWORD Connecticut River
PLACE KEYWORD Delaware River
PLACE KEYWORD Greater Atlantic Region
PLACE KEYWORD Housatonic River
PLACE KEYWORD Hudson River
PLACE KEYWORD James River
PLACE KEYWORD Kennebec River
PLACE KEYWORD Merrimack River
PLACE KEYWORD Mid-Atlantic
PLACE KEYWORD Nanticoke River
PLACE KEYWORD New England
PLACE KEYWORD Pamunkey River
PLACE KEYWORD Penobscot River
PLACE KEYWORD Piscataqua River
PLACE KEYWORD Potomac River
PLACE KEYWORD Rappahannock River
PLACE KEYWORD United States
PLACE KEYWORD York River
PLACE KEYWORD Roanoke River
PLACE KEYWORD Tar-Pamlico River
PLACE KEYWORD Neuse River
PLACE KEYWORD Cape Fear River
PLACE KEYWORD Pee Dee River
PLACE KEYWORD Black River
PLACE KEYWORD Santee River
PLACE KEYWORD Cooper River
PLACE KEYWORD Edisto River
PLACE KEYWORD Combahee River
PLACE KEYWORD Salkehatchie River
PLACE KEYWORD Savannah River
PLACE KEYWORD Altamaha River
PLACE KEYWORD Satilla River
PLACE KEYWORD St. Marys River

ACCESS CONSTRAINTS
None.
USE CONSTRAINTS
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Please cite Regulated Area datasets as follows, with the appropriate information substituted for all text in {CURLY BRACKETS}:

NOAA Fisheries Service. NMFS Regulated Areas in Northeast, Mid-Atlantic and Southeast Waters. {SHAPEFILE TITLE} [Shapefile]. Gloucester, MA or St. Petersburg, FL: National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), Greater Atlantic Regional Fisheries Office (GARFO) or Southeast Regional Office (SERO) [producer] {SHAPEFILE PUBLICATION DATE}. http://www.greateratlantic.fisheries.noaa.gov/gis or http://sero.nmfs.noaa.gov/maps_gis_data/.

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This dataset was created to depict the boundaries of NMFS Regulated Areas in Northeast, Mid-Atlantic, and Southeast Waters (Regulated Areas) only. The dataset should not be used for a legal definition. The dataset should not be used to infer information regarding the existence or details of other marine features or resources, including, but not limited to, navigable waters, coastlines, bathymetry, submerged features, or man-made structures. Users assume responsibility for determining the appropriate use of this dataset.

*** Not the Legal Definition ***

This Geographic Information System (GIS) dataset is not the legal definition of the Regulated Area. The description published in the U.S. Code of Federal Regulations is the only legal definition. This dataset and metadata document provide a broad overview of a subset of applicable fishing regulations, restrictions and requirements, critical habitat or essential fish habitat; it is not a substitute for the actual regulations. Users are encouraged to read the applicable regulations in conjunction with use of this dataset.

*** Temporal Considerations ***

Regulated Area boundary definitions are subject to change or modification. Published datasets may represent historic, current, or future Regulated Areas. When changes to fishing regulations
affect this dataset, it will be archived and replaced by an updated version as soon as feasible. Approved Regulated Area boundaries may also be published prior to their effective date. It is the user’s responsibility to ensure the applicable Regulated Area boundaries are being used.

*** Shorelines/Base Layers ***

The accuracy of this dataset is dependent upon the accuracy and resolution of the datasets (e.g., shoreline, bathymetry, National Hydrographic Database, shared administrative boundaries) used in the creation process. Source datasets used are specified in the metadata. These data sources were selected for their suitability to a broad audience, and may not be suitable for specific uses requiring higher-resolution information.

Coastlines change. Unless otherwise noted, where the NOAA Medium Resolution Shoreline is used, assume the regulatory boundary reaches the most current coastline delineation available.

** CONTACT INFORMATION **

** CONTACT PERSON PRIMARY ** Tara Trinko Lake
** CONTACT ORGANIZATION ** NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, Protected Resources Division
** CONTACT POSITION ** GIS Committee Protected Resources Representative
** CONTACT ADDRESS ** 55 Great Republic Drive
** CITY ** Gloucester
** STATE OR PROVINCE ** MA
** POSTAL CODE ** 01930
** CONTACT VOICE TELEPHONE ** 978-282-8477
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** CONTACT ELECTRONIC MAIL ADDRESS ** tara.trinko@noaa.gov

** SECURITY INFORMATION **

** SECURITY CLASSIFICATION SYSTEM ** FIPS Pub 199
** SECURITY CLASSIFICATION ** public
** SECURITY HANDLING DESCRIPTION ** Standard Technical Controls

** Data Quality **

** LOGICAL CONSISTENCY REPORT **
Check Geometry test has been performed in ArcGIS.

** COMPLETENESS REPORT **
Features represented are valid. No geometry problems were detected.

** POSITIONAL ACCURACY **
** HORIZONTAL POSITIONAL ACCURACY **
** HORIZONTAL POSITIONAL ACCURACY REPORT **
Data were collected using methods that are accurate to within 2-5 meters (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 2). For more information, please see EPA's NGDP at http://epa.gov/geospatial/policies.html

** LINEAGE **
** SOURCE INFORMATION **
** SOURCE CITATION **
** CITATION INFORMATION **
** ORIGINATOR ** Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS)
** PUBLICATION DATE ** 2017-09-18
Title
Electronic Code of Federal Regulations
Edition Special Edition of the Federal Register
Geospatial Data Presentation Form document
Publication Information
Publication Place Washington, DC
Publisher Office of the Federal Register, National Archives and Records Administration and the Government Printing Office
Other Citation Details
The Electronic Code of Federal Regulations (e-CFR) is a current, daily updated version of the Code of Federal Regulations (CFR). It is not an official legal edition of the CFR. The e-CFR is an unofficial editorial compilation of CFR material and Federal Register amendments. Because the e-CFR is updated daily, the PUBLICATION DATE identified above refers to "e-CFR Data is current as of" date posted on the e-CFR website at the time the spatial definition was accessed online.

Online Linkage http://www.ecfr.gov

Type of Source Media online
Source Time Period of Content
Time Period Information
Single Date/Time
Calendar Date 2017-09-26
Source Currentness Reference
Publication Date
Source Citation Abbreviation e-CFR
Source Contribution Spatial definitions for Regulated Area boundaries.
Source Information
Source Citation
Citation Information
Originator U.S. Geological Survey
Publication Date 2009-07-13
Title National Hydrography Dataset
Edition Best (High) Resolution Flowlines
Geospatial Data Presentation Form vector digital data
Series Information
Series Name Flowlines
Issue Identification current
Publication Information
Publication Place Reston, Virginia
Publisher U.S. Geological Survey
Online Linkage http://nhd.usgs.gov/data.html

Source Scale Denominator 24000
Type of Source Media digital download (ESRI shapefile)
Source Time Period of Content
Time Period Information
Single Date/Time
Calendar Date 2009
Source Currentness Reference ground condition
Source Citation Abbreviation NHD
Source Contribution This source river flowline was used to identify river lengths along which bank-to-bank Critical Habitat was designated. Other components of NHD (NHDArea polygons, typically) were used to identify the downstream limits (mouths) for critical habitat river lengths.
This source dam location layer was used to identify upstream limits of some Atlantic Sturgeon critical habitat.

This source highway location layer was used to identify upstream limits of some Atlantic sturgeon critical habitat.
The spatial definition (text and map) for Critical Habitat was copied from the Federal Register.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Extract features] To generate the Critical Habitat river lengths, we extracted relevant river line segments from the NHDFlowline feature class. Flowlines through relevant major tributaries or bays/estuaries were also included. We merged flowlines into a single feature for each Critical Habitat unit. We used the location of NID dams and Major Highways to clip the features at the appropriate upstream limits. We clipped flowline features at their downstream limit based on consultation with NOAA biologists. The lines represent the length of the river along which bank-to-bank Critical Habitat was designated.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Downstream Limits] Some downstream limits to Critical Habitat are located where river mouths are ambiguous, or where rivers flow into other water bodies not included in the Critical Habitat designation. To clarify the downstream limits of Critical Habitat we delineated bank-to-bank transects at the end of each river length feature, in consultation with NOAA biologists.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Add Attributes] The standardized attribute schema was applied to the shapefile, and the fields were defined.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Adding SERO Features] Southeast Regional Office (SERO) Carolina DPS and South Atlantic DPS Atlantic sturgeon critical habitat rivers were merged with the GARFO critical habitat rivers to compose a complete shapefile. The critical habitat rule includes rivers from Maine to Florida. This shapefile corresponds with the rule.

**PROCESS DATE** 2017

**PROCESS CONTACT**

**CONTACT INFORMATION**

**CONTACT PERSON PRIMARY**

**CONTACT PERSON** Amanda Frick

**CONTACT ORGANIZATION** NOAA/NMFS

**CONTACT POSITION** GIS Coordinator

**CONTACT ADDRESS**

**ADDRESS TYPE** mailing and physical address

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**CITY** St Petersburg

**STATE OR PROVINCE** FL

**POSTAL CODE** 33701-5505

**CONTACT VOICE TELEPHONE** 727-824-5301

**CONTACT FAX TELEPHONE** 727-824-5320

**CONTACT ELECTRONIC MAIL ADDRESS** amanda.frick@noaa.gov

**PROCESS STEP**

**PROCESS DESCRIPTION**
[Policy Review] The Critical Habitat spatial definition text, shapefile geometry and attribute values were reviewed with policy staff to verify that the feature class accurately depicted and described the intended boundaries.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Check Geometry] The ESRI ArcGIS Check Geometry tool was run on the feature class to identify any geometry problems. If problems were encountered, they were reviewed and corrected.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Metadata] A GARFO Regulated Area shapefile metadata template was developed using the EPA Metadata Editor v3.2. This template was applied and customized to reflect the specific characteristics of the given shapefile. The metadata was validated for FGDC CSDGM compliance.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Final Review] The shapefile was reviewed by members of the GARFO GIS Committee, policy experts from the GARFO Division responsible for the Regulated Area, and General Counsel, according to the GARFO GIS Data Distribution Policy.

**PROCESS DATE** 2017

**PROCESS STEP**

**PROCESS DESCRIPTION**

[Publication] The shapefile, with accompanying metadata, was uploaded for public download on the NOAA NMFS GARFO GIS website.

**PROCESS DATE** 2017-11-15

**Spatial Reference**

**HORIZONTAL COORDINATE SYSTEM DEFINITION**

**GEOGRAPHIC**

**LATITUDE RESOLUTION** 0.000001

**LONGITUDE RESOLUTION** 0.000001

**GEOGRAPHIC COORDINATE UNITS** Decimal degrees

**GEODETIC MODEL**

**HORIZONTAL DATUM NAME** North American Datum of 1983

**ELLIPSOID NAME** Geodetic Reference System 1980

**SEMI-MAJOR AXIS** 6378137.000000

**DENOMINATOR OF FLATTENING RATIO** 298.257222

**Entities and Attributes**

**DETAILED DESCRIPTION**

**ENTITY TYPE**

**ENTITY TYPE LABEL** Regulated Area

**ENTITY TYPE DEFINITION**

NMFS Regulated Areas in Northeast and Mid-Atlantic Waters

**ENTITY TYPE DEFINITION SOURCE** GARFO

**ATTRIBUTE**

**ATTRIBUTE LABEL** FID

**ATTRIBUTE DEFINITION**
Internal feature number.
ATTRIBUTE DEFINITION SOURCE Esri
ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN
Sequential unique whole numbers that are automatically generated.

ATTRIBUTE
ATTRIBUTE LABEL Shape
ATTRIBUTE DEFINITION
Feature geometry
ATTRIBUTE DEFINITION SOURCE ESRI
ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN
Coordinate geometry

ATTRIBUTE
ATTRIBUTE LABEL GARFO_ID
ATTRIBUTE DEFINITION
A unique identifier used to identify and track this feature; a new GARFO_ID is generated for each version of a Regulated Area, including proposed or final versions (i.e. whenever boundaries or attributes are changed, edited or updated)
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN
System-generated number

ATTRIBUTE
ATTRIBUTE LABEL AREANAME
ATTRIBUTE DEFINITION
Official name of the Regulated Area, usually the area name as it will be printed in the CFR.
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL COMMMNAME
ATTRIBUTE DEFINITION
Most commonly used name. May be identical to AREANAME, an abbreviation of AREANAME, or a different name altogether.
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL AREAGROUP
ATTRIBUTE DEFINITION
Specifies if the Regulated Area is part of a group of related areas.
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL DESCRIBE
ATTRIBUTE DEFINITION
A brief description of the purpose of the Regulated Area.
ATTRIBUTE DEFINITION SOURCE    GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text description

ATTRIBUTE
ATTRIBUTE LABEL    CFRTITLE
ATTRIBUTE DEFINITION
CFR Title citation where the Regulated Area will be legally defined
ATTRIBUTE DEFINITION SOURCE    GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL    CFRPT
ATTRIBUTE DEFINITION
CFR Part citation where the Regulated Area will be legally defined
ATTRIBUTE DEFINITION SOURCE    GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text citation

ATTRIBUTE
ATTRIBUTE LABEL    CFRPTTXT
ATTRIBUTE DEFINITION
CFR Part citation header text
ATTRIBUTE DEFINITION SOURCE    GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL    CFRSUB
ATTRIBUTE DEFINITION
CFR Subpart citation where the Regulated Area will be legally defined
ATTRIBUTE DEFINITION SOURCE    GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text citation

ATTRIBUTE
ATTRIBUTE LABEL    CFRSUBTXT
ATTRIBUTE DEFINITION
CFR Subpart citation header text
ATTRIBUTE DEFINITION SOURCE    GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL    CFRSXN
ATTRIBUTE DEFINITION
CFR Section citation where the Regulated Area will be legally defined
ATTRIBUTE DEFINITION SOURCE    GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text citation
ATTRIBUTE
ATTRIBUTE LABEL CFRSXNTXT
ATTRIBUTE DEFINITION
CFR Section citation header text
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL CFRPARA
ATTRIBUTE DEFINITION
CFR Paragraph citation where the Regulated Area will be legally defined
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text citation

ATTRIBUTE
ATTRIBUTE LABEL CFRPARATXT
ATTRIBUTE DEFINITION
CFR Paragraph citation header text
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL FRCITE
ATTRIBUTE DEFINITION
Federal Register citation of final rule containing the Regulated Area spatial definition.
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text name

ATTRIBUTE
ATTRIBUTE LABEL FRDATE
ATTRIBUTE DEFINITION
Federal Register citation date of final rule containing the Regulated Area spatial definition.
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Date

ATTRIBUTE
ATTRIBUTE LABEL EFFECTDATE
ATTRIBUTE DEFINITION
Date Regulated Area officially became law, or most recent modification.
ATTRIBUTE DEFINITION SOURCE GARFO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Date

ATTRIBUTE
ATTRIBUTE LABEL SOURCE
ATTRIBUTE DEFINITION
If Regulated Area is defined in the CFR, this is the citation for the Amendment/Framework/etc. that established the area. If the Regulated Area is not defined in the CFR, this is the alternative source citation establishing the Regulated Area.

**ATTRIBUTE DEFINITION SOURCE** GARFO

**ATTRIBUTE DOMAIN VALUES**

**UNREPRESENTABLE DOMAIN**

Free text citation

**ATTRIBUTE**
**ATTRIBUTE LABEL** RECURST
**ATTRIBUTE DEFINITION**
Annually recurring date Regulated Area would become active

**ATTRIBUTE DEFINITION SOURCE** GARFO

**ATTRIBUTE DOMAIN VALUES**

**UNREPRESENTABLE DOMAIN**

Date

**ATTRIBUTE**
**ATTRIBUTE LABEL** RECUREND
**ATTRIBUTE DEFINITION**
Annually recurring date Regulated Area would become inactive

**ATTRIBUTE DEFINITION SOURCE** GARFO

**ATTRIBUTE DOMAIN VALUES**

**UNREPRESENTABLE DOMAIN**

Date

**ATTRIBUTE**
**ATTRIBUTE LABEL** GISAUTHOR
**ATTRIBUTE DEFINITION**
Name of the NOAA staff person who created the GIS feature

**ATTRIBUTE DEFINITION SOURCE** GARFO

**ATTRIBUTE DOMAIN VALUES**

**UNREPRESENTABLE DOMAIN**

Name

**ATTRIBUTE**
**ATTRIBUTE LABEL** CREATED
**ATTRIBUTE DEFINITION**
Creation date of the GIS feature

**ATTRIBUTE DEFINITION SOURCE** GARFO

**ATTRIBUTE DOMAIN VALUES**

**UNREPRESENTABLE DOMAIN**

Date

**ATTRIBUTE**
**ATTRIBUTE LABEL** AREANOTES
**ATTRIBUTE DEFINITION**
Miscellaneous notes regarding the Regulated Area or feature

**ATTRIBUTE DEFINITION SOURCE** GARFO

**ATTRIBUTE DOMAIN VALUES**

**UNREPRESENTABLE DOMAIN**

Free text description

**OVERVIEW DESCRIPTION**

**ENTITY AND ATTRIBUTE OVERVIEW**

Entity Attributes provide reference information for the Regulated Areas represented. Attributes provide citations for the legal spatial definition and originating documents, and currentness information for each area.
ENTITY AND ATTRIBUTE DETAIL CITATION

FILES\_Map.xlsx fully describes the Attribute Schema used for regulated area GIS data sets. To access this document, see the Contact Information.

Distribution Information

DISTRIBUTOR
CONTACT INFORMATION
CONTACT PERSON PRIMARY
CONTACT PERSON Dean-Lorenz Szumylo
CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee
CONTACT POSITION GIS Specialist
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CITY Gloucester
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RESOURCE DESCRIPTION Downloadable Data

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Metadata Reference

METADATA DATE 2017-11-15
METADATA FUTURE REVIEW DATE 2021-11-15
METADATA CONTACT
CONTACT INFORMATION
CONTACT PERSON PRIMARY
CONTACT PERSON Dean-Lorenz Szumylo
CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee
CONTACT POSITION GIS Specialist
CONTACT ADDRESS
ADDRESS TYPE mailing and physical address
ADDRESS 55 Great Republic Drive
CITY Gloucester
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